

OCT 24 2005

Docket No.: N.C. 83,517

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/091,024  
Applicants : Houser et al.  
Filed : March 6, 2002  
Title : HYPERBRANCHED CHEMOSELECTIVE SILICON-BASED  
POLYMERS FOR CHEMICAL SENSOR APPLICATION  
Grp. Art Unit : 1621  
Examiner : Brian J. Davis

Honorable Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

## RESPONSE TO RESTRICTION REQUIREMENT

Sir:

This communication is in response to the Office Action mailed on 09/22/2005.

Applicants would like to thank the Examiner for the courtesy and understanding concerning resending the Office Action dated 07/15/2005. Applicants have enclosed a copy of the Office Action with the date stamped August 16, 2005. It is the practice of this office to date stamp the incoming mail on the day it is received. In this case, the Office Action was not received in our office until August 16, 2005 as indicated by the date stamp. Again, Applicants thank the Examiner for his assistance.

Claims 1-13 remain in this application. Claims 14-28 have been canceled as drawn to a non-elected invention.

Restriction was required to one of the following inventions:

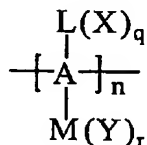
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- I. Claims 1-13, drawn to compounds and solutions, classified in class 556, subclass: various.
- II. Claims 14-28, drawn to devices and their methods of use, classified in class 422, subclass: various.

Additionally, the Examiner asserted that Group I is generic to a plurality of disclosed patentably distinct species comprising a hyperbranched polymeric compound. Therefore, Applicant is required to elect a single disclosed species.

Applicants provisionally elect Group I, which includes claims 1-13. Applicants provisionally elect the species as defined in Claim 6 wherein the compound of Claim 2 is further defined such that for the formula of Claim 2 that A is  $-\text{Si}-(\text{CH}_2)_n-$ , where  $n=1$  and L is  $\text{C}_3\text{H}_5$  and M is  $\text{C}_3\text{H}_5$  and X is hexafluoroisopropanol and Y is hexafluoroisopropanol and q is 1 and r is 1. The formula from Claim 2 is




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In the interest of compact prosecution, if a phone conversation can expedite matters,  
please contact Applicants' representative, Steve Hunnius, at 202-404-1554.

Kindly charge any additional fees due, or credit overpayment of fees, to Deposit Account  
No. 50-0281.

Respectfully submitted,



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